Integrated Training Area Management

Quality Lands, Quality Soldiers

USAREUR IMS Initiative: A Platform for Distributed GIS

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ITAM GIS Symposium 27 Aug 01

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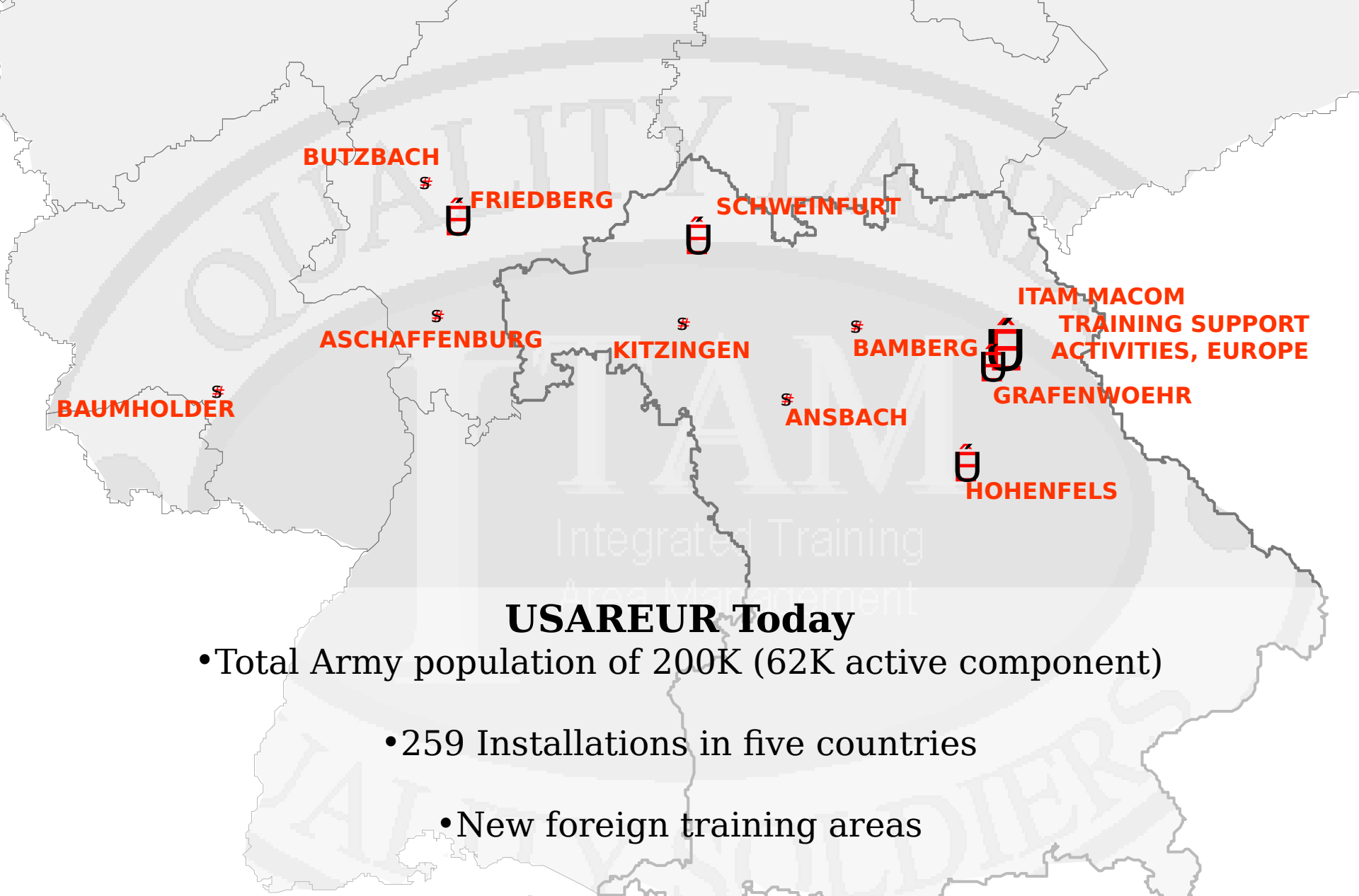
Agenda

- ITAM in USAREUR
- GIS Accessibility Strategy
- ITAM Mapper
- Relevant Regs – IMS Impacts



USAREUR Today

- Total Army population of 200K (62K active component)
- 259 Installations in five countries
- New foreign training areas

USAREUR ITAM

- 10 installations; ~ 160,000 acres

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ITAM GIS Services

The value of geographic information and the power of GIS applications to solve problems are proportional to their **accessibility**.”

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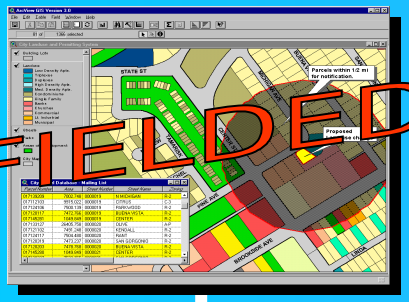
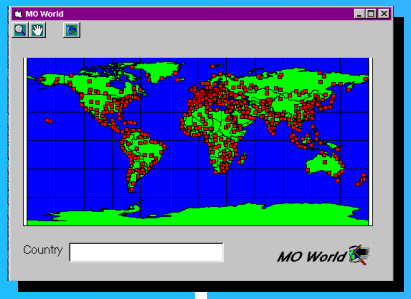
USAREUR GIS Accessibility

ArcView



FIELDED

‘ITAM Viewer’ v.3



‘ITAM Viewer’ v.1 and v. 2

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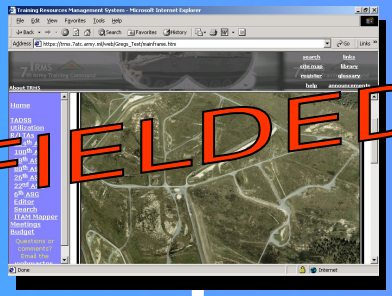
‘ITAM Mapper’ Internet Map Server



FIELDED

GIS DATA

SDE

Shared Database

Files

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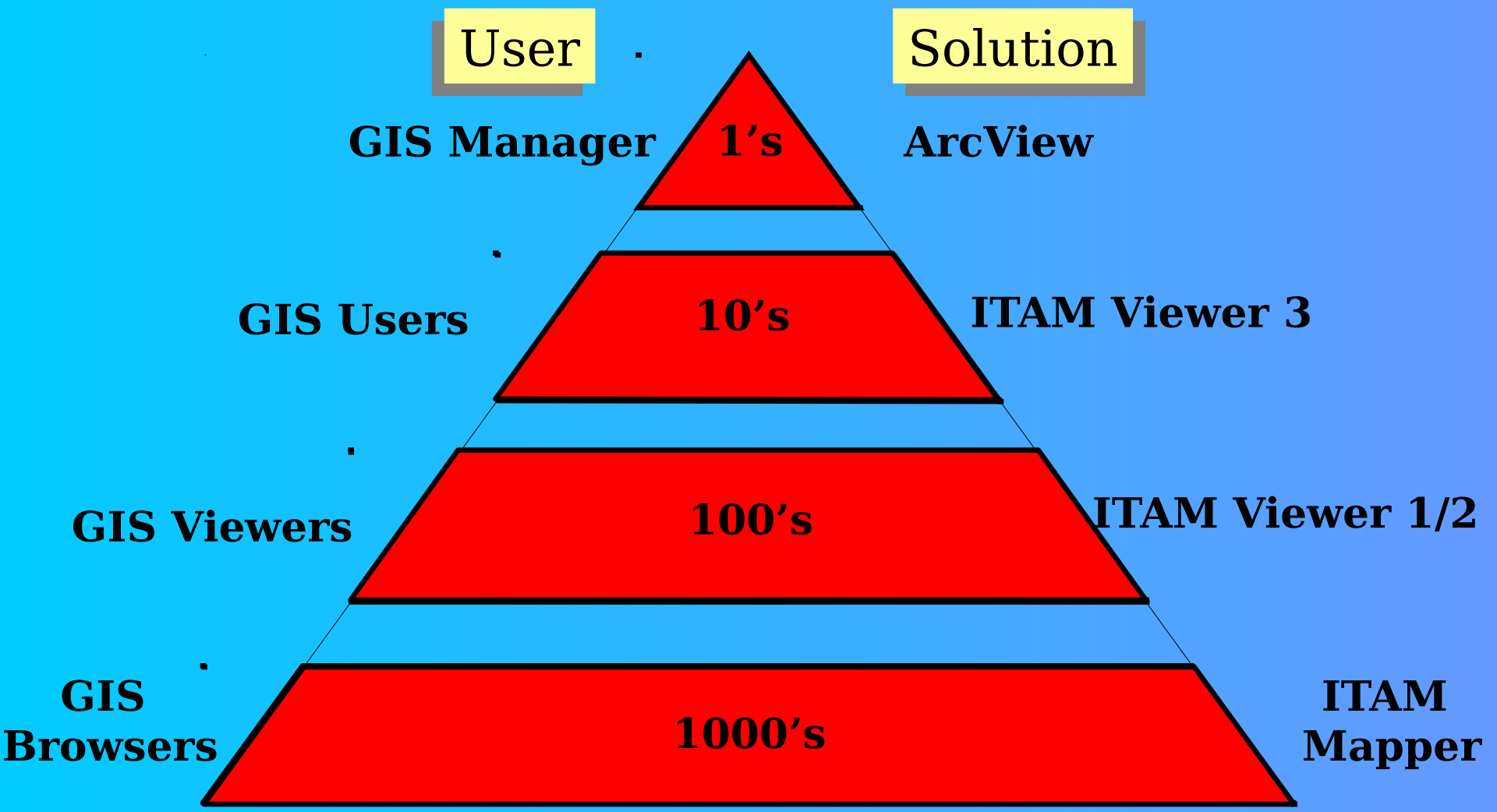
USAREUR GIS User Model



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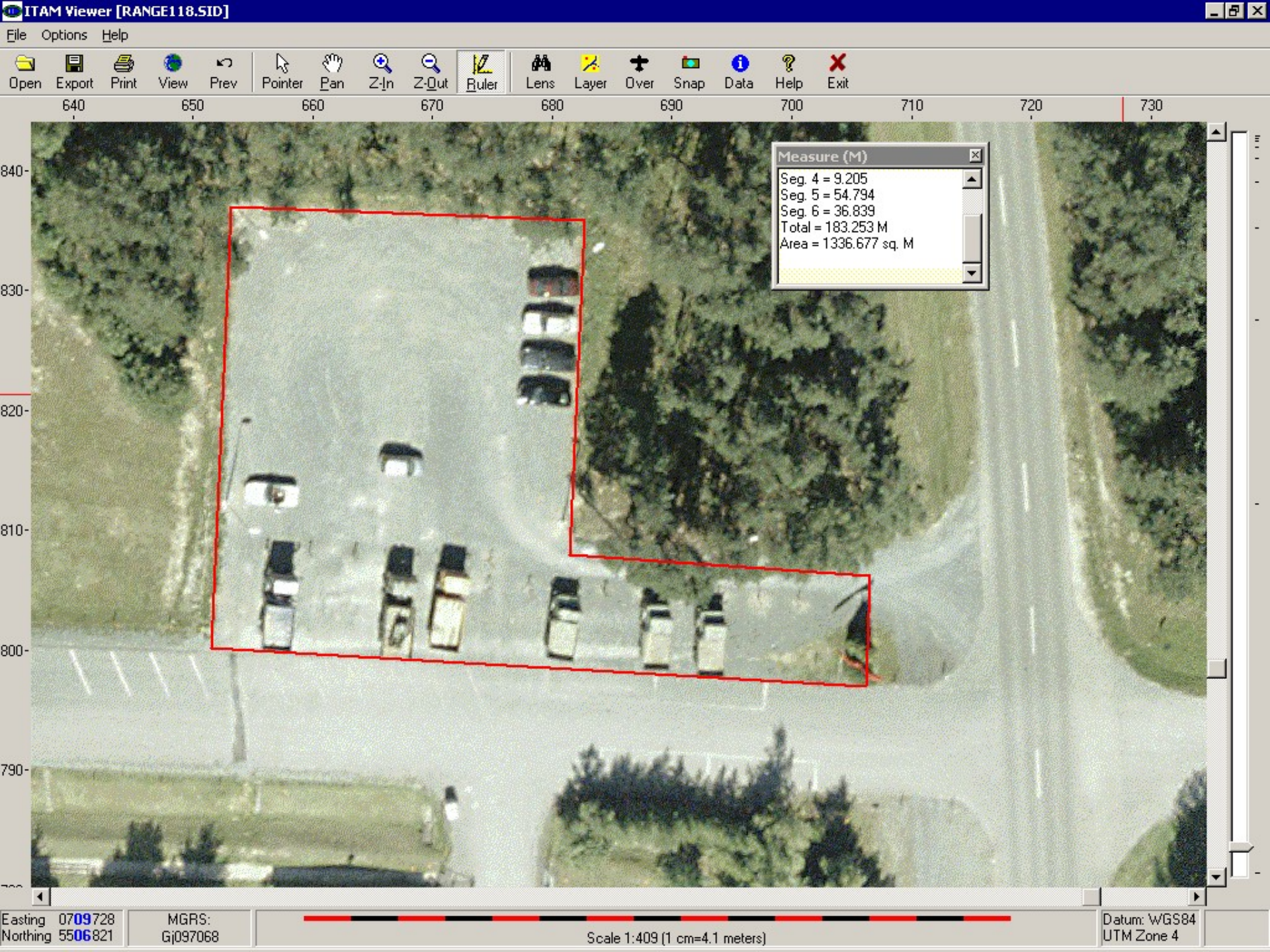
ITAM Viewer

Product Objective: Provide a simple, yet effective, product to distribute digital orthoimagery training area data to the trainers.

Imagery Notes:

- Color, B & W
- 1”=200’
- .1-.32 m. resolution


ITAM Viewer [RANGE118.SID]
File
Options
Help
Open
Export
Print
View
Prev
Pointer
Pan
Z-In
Z-Out
Ruler
Lens
Layer
Over
Snap
Data
Help
Exit
640
650
660
670
680
690
700
710
720
730
840
830
820
810
800
790
Measure (M)
Seg. 4 = 9.205
Seg. 5 = 54.794
Seg. 6 = 36.839
Total = 183.253 M
Area = 1336.677 sq. M
Easting 0709728
Northing 5506821
MGRS:
Gj097068
Scale 1:409 (1 cm=4.1 meters)
Datum: WGS84
UTM Zone 4

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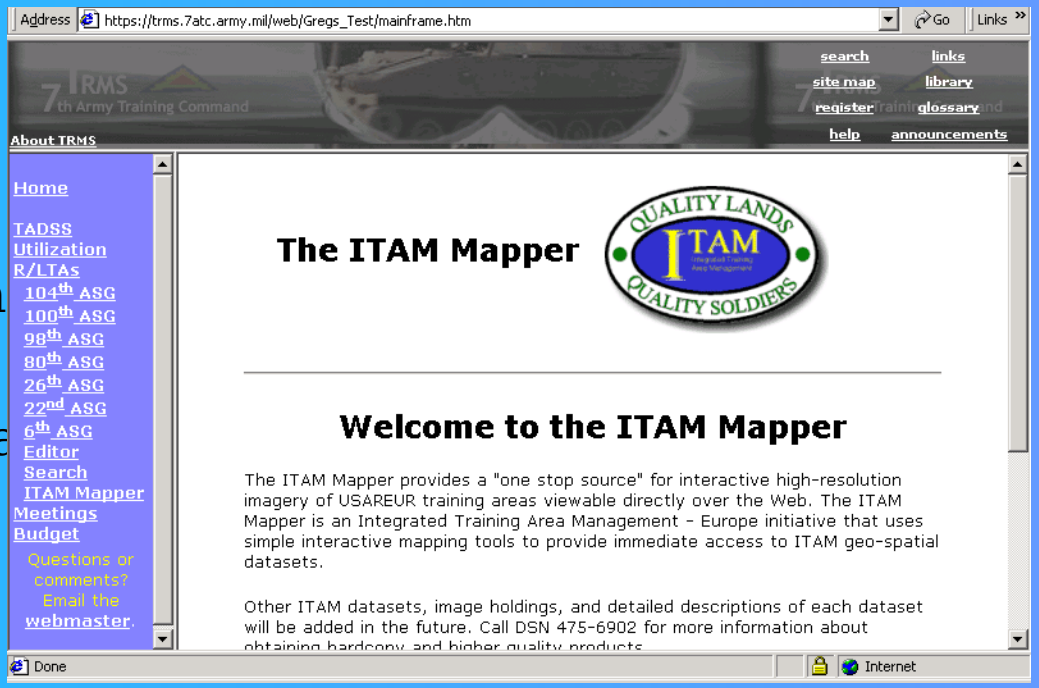
ITAM Mapper

Product Objective: Provide a simple, yet effective,web based application to distribute training area spatial data.

Notes:

- Internet Map Server
- Centralized Administration at ITAM MACOM (Graf)
- ITAM Mapper is operationa



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Integrated Solution

ITAM Mapper at present

TRMS

(Training Resource Management System)

https://trms.7atc.army

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ITAM Mapper Stats

Time Period: **1 Mar 01 – 31 Jul 01**

- ✓ Hits: 6,583 total / 40 per day
- ✓ Page Views: **5,319 total** / 35 per day (~ 35 Mbytes total)

- ✓ Unique Visitors: **241**
- ✓ Avg Visit Length: **8 minutes**
- ✓ Avg. time to serve an image: **104 ms**

- ✓ Most active day of the week: Wednesday
- ✓ Most active hour of the day: 12:00–12:59

- ✓ Technical support calls: 0
- ✓ Problems: 0

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IMS Guidance - Memorandums

Increased Restrictions
Lack of Answers

Subject: **Policy Guidance for use of Mobile Code Technologies in Department of Defense (DoD) Information Systems**
7 Nov 00

1. Assigns mobile code technologies to ‘risk categories’
2. I.e… Cat 1: ActiveX; Cat 2: Java applets, VBA; Cat 3: Javascript, Sho
3. Server side technologies are exempt

Subject: **Guidelines for Management of Publicly Accessible U.S. Army Websites**
30 Nov 98

1. Commercial advertising is prohibited (inc. logos, text)
2. No product endorsement
3. Can link to external sites, must display disclaimer

Subject: **USAREUR Internet Policy**
31 May 01

1. Private site only; *.mil domain
2. SSL protocol using class 3 PKI certificate

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IMS - Section 508

Subject: **508 E & IT Requirements**
21 June 01 (compliance suspense)

1. Ensure accessibility for individuals with disabilities who are employees / customers of the federal government

2. Federal standards do not require retroactive compliance, but DoI

3. Web sites must be accessible by individual who are sight impaire color blind, mobility restricted, or other difficulty

4. Two exemptions: 'fundamental site alteration' and 'COTS unavail
Simple solution: post a POC

5. GSA web based training modules: July 01 release (also ESRI docu
www.section508.gov

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Sell Your Program!

- **ITAM Viewer**
- **ITAM GIS Brochure**
- **ITAM Playing Cards**
- **Stickers**

Requests: **ITAM@hq.7atc.army.mil**

ITAM Mapper:
https://TRMS.7ATC.ARMY.MIL

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End Points

1. Map / imagery draw times: ArcIMS v. Image server

2. Provide solutions **now**, i.e.. Image server; build off of a simple, stable foundation

3. Contract IMS configuration – Recurring Costs

4. Data Distribution Restrictions

5. Interesting sites:
   www.army.mil/webmasters/FAQ

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"Bridging the GAP"

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